

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented): An access point device for a wireless LAN for isolating an end station from a plurality of end stations to support segregation of network traffic between the end station and the plurality of end stations, the access point device serving as a common access point for communication in the wireless LAN, the access point device configured to:

receive a request from said end station that is an association request or a probe request; and

process said request by:

determining for said request a basic service set (BSS) that is unknown to said access point device at the time of receipt of said request by said access point device;

receiving at least one parameter defining said BSS;

establishing said BSS based at least on said at least one parameter;

and

sending a response to said end station that includes a BSSID of said established BSS.

2. (Previously presented): The access point device of Claim 1, further configured to provision a plurality of separate LAN segments while providing separate link privacy and integrity for each of said LAN segments.

3-6. (Canceled)

7. (Previously presented): A method in an access point device for a secure wireless network to support segregation of network traffic among a plurality of stations, each of said stations having a hardware (MAC) address, comprising:

receiving an association request or a probe request from a first station;

determining for said request a basic service set (BSS) that is unknown to said access point device at the time said request was received by said access point device;

receiving at least one parameter which defines said BSS;

establishing said BSS based at least on said at least one parameter, thereby creating a Basic Service Set (BSS) for a subset of said stations; and

sending a response to said end station that includes a BSSID of said established BSS,

wherein stations in said subset belong to said established BSS and share a group security association.

8-50. (Canceled)

53. (Previously presented): The access point device of Claim 1 wherein said request includes an SSID (service set identifier), wherein said at least one parameter is based on said SSID.

54-55. (Canceled)